Sep. 5. 1995 4:53PM

PACEELL LEGAL DEPT. CCLTC FIRST SET OF INFORMATION REQUESTS TN PHASE I OF L95-05-047 FEREN. FEREN.

REQUEST 1:

PEDERAL COMMUNICATION

Does Pacific Bell and/or Dr. Christensen have in its/his possession additional updated discountification or revisions to any of the data utilized in the original CC Docket 94-1 USTA TET ISSION study or in the "updated" January 20, 1995 USTA TFP study? If the response to this request is anything other than an unqualified "no," please provide all such data, infrapation or revisions.

RESPONSE L

On April 12, 1995, after the completion of the "updated" January 20, 1995 USTA TFP study. Pacific Bell obtained undated and revised Telephone Plant Indexes ("TPIs"). See the attachment to this response for comparison of the Pacific Bell TPI provided for the Jamuary 20, 1995 USTA TFP study and the undated and revised TPI obtained by Pacific Bell after that study.

Dr. Christensen does not have in his possession additional updated data, information or revisions to any of the data utilized in the original CC Docket 94-1 USTA TFP study or in the "updated" January 20, 1995 USTA TFP study.

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CCLTC FIRST SET OF INFORMATION REQUESTS IN PRACE I OF L95-06-047

REQUEST IL (Part A)

Does Pacific Hell intend to sely upon the January 20, 1995 "updated" USTA TFP study in the testimony to be filed on September 8, 1995?

RESPONSE (Part A)

Yes

REQUESTIL (Part B)

Dost Pacific Ball intend to only upon any other studies pertaining to productivity, input prices, output prices, or other flature affecting Pacific's ongoing east invoke in the testimony to be filed on September 8, 1995? Please identify with specificity all such materials upon which Pacific and/or any of the witnesses it expects to spansor intend to only.

RESPONSE IL: (Pert B)

Yes. The attached lists identify those studies that Pacific Ball anticipates will Healy be relied upon and/or referenced by its witnesses in this proceeding.

ORYGOVAD TITE OFFICE ART OFFICE

Sep. 5. 1995 4:54PM-S-PACBELL LEGAL DEPT.

August 9, 1995

Honorable Jacqueline Reed Administrative Law Judge California Public Utilities Commission 505 Van Ness Avenue, Room 5011 San Francisco, CA 94102

Re: j.M-06-067 (1906 NWF Review)

Dear ALJ Reed:

At today's Preheating Conference, I was saled whether Panille Bell would agree to provide all documents that it had provided by DRA in the course of discovery in this proceeding to other parties requesting such documents. This latter confirms that we will provide the documents previously provided to DRA to parties that request them.

I also said that our shasing in this proceeding will include the results of a study of total factor productivity for the LEC telecommunications industry performed by Dr. Laurits R. Civisteneers (Contestinities of the Louis Telephone Consultes Communica (May 1994, updated in 1998)). While we will rely primarily on Dr. Christeneers's study, the results of other productivity studies will limity be cited in our testimony. I attach a list of those studies in this letter. While we do not have copies of all of those studies, I understand that they are publishy available. We are attempting to obtain copies of those studies not currently in our passession. To facilitate discovery, upon request (and subject to any copyright consume) we will provide a copy of the studies we have.

Sincerely,
Mitcheld. Janes

Attrichment

Productivity Studies

American Productivity and Quality Contec, Malifula Squat Productivity Stanting, Cited in PCC Decises 87-313, Record Nation of Proposed Stale Making, 16sy 12, 1966, page 206.

Ball Sestion Productivity Studie: 1947-1979, September 1980.

L.R. Christenson, Testimony filed in Linket Status y ATRT, Civ. Action No. 1698 (D.D.C. Filed Nov. 20, 1974).

Testigroup of L.E. Christegen, "Total Factor Productivity Growth in the U.S. Telegrammaticulant ladertry and the U.S. Economy: 1951-1987," filed in North Dukern Public Service Commission Case No. FU-2320-90-149, Outsbur 1, 1990.

DRI / McGraw-Hill, Pennsylvania Telezonamunisteisen Infrastructure Study, Volume V, March 1995.

R.W. Crandell and J. Galet, "Productivity Growth in the U.S. Telecommunications Sunner, The Impact of the AT&T Divertises", The Brookings Inclination, February 1, 1991.

D.W. Jorganson, F.M. Gollep, and B.M. Frausson, <u>Productivity and U.S. Economic Granch</u>, Combridge: Harvard University Press, 1967.

M.L. Nodici and M. Schaubannen, "The Structure of Production, Turbuning and Change, and the State of Growth of Total Poster Productivity in the U.S. Bell System," in <u>Productivity Maximum in Regulated Industries</u>, (T. Cowing and R. Stavenson, eds.), New York: Academic Prost, 1981.

T.C. Spanies, "The Long - Term View of the Appropriate Profestivity Pectur for Interests Enchange Access," PCC CC Decler. 87-313, Second Engagement Codes, September 19, 1999, Appendix D.

W. Taylor and T. Tooldf, Parlitt's Parliaments Unite The Hare Regulatory Resonantic As Removing Replantion for the First Three Years, April 8, 1993, Appendix A. (Robbit 1 in A.58-65-604).

DRA, Reserves The 1992 Review of The Mass Regulatory Francisco, Section 2. (Robbit 50 in A.92-05-004).

D. J. Roddy, Direct Tenimony, April 8, 1993. (Establic 61 in A.172-05-004).

U.S. Bureau of Labor Biolistics, Maldibuter Burdanissier: Private Buriness Sector.

Additional Studies That Will Likely Be Ratermand in Pacific Bull's Tuelies

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2178, Squarder 1983; U.S. Department of Labox, Department of Labox, Department of Labox, and U.S. Department of Labox, D # 2004, Da

P δ L 19 Edition, Jame 1995.

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poller in Local To ř HE 1992, pp. 171-183.

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8 the the Ball System," is D.S. Brens, ed. Basting Life Ball, North-Holland. New

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Troper Quadrate Cost Fee 1990, pp. 202-210. with an Application to the Bell System," Berief of Representational Statements. May

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12-14 The Case of The ACA STATE ty, Vol. 6, No. 2, July 1996; pp.

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Skila, Philip J., Westein Sel Emmissionen? Per Our Be let & Co., "The Digital Bantiefield - What's in the Potant of To oby - The East of the Gener," March 22, 1994. ications and

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Dunslabon, Lufida, Jameité, "The Window Constantionies Industry," Support 1994.

The Yankes Group, "AT&T: Once Again the Most Integrated Telecommunications Provider," June 1995.

National Cable Television Association, "Cable Television and Associacis Telescommunications Industriates," 1998.
(Seen the Information Information Sourcebook, Version 5, Vol. 1, John F. Kennedy School of Government, Horvard University)

Rend, Durist P., "The Prospects for Computation in the Subsection Long: The Piter-to-day-biological Approach," presented at the Tiverry-Best Assemil Telecommunications Standard Public Condenses, Superciper 1993.

Pour W. Haber, Michael K. Kellings, and John Thoma, "The Geodesis Nativack S: 1995 Report on Computation in the Telephone Industry"

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Quality Statesquies, "Partitio Stall Second Quarter - 1993 Fligh Coparity Services Madent Share Shar Francisco and Los Augules, Released June, 1993," June 25, 1995.

Quality Strategies, "Pueblic Hell Lings Treats Second Quarter " Societel Quarter, 1995.

Quality Stantagion, "Profile Bull Verge Track Residential Second Quarter, 1995"

Quality Spottering, "Pealth: Bell ISCAP Track Third Quarter, 1995" August 8, 1995.

Pacific Boll. 1995 Rasidence Products Burchmark.

CCLTC FIRST SET OF INFORMATION REQUESTS IN PHASE I OF L95-05-047

REQUEST III:

Reference to pp. 2-3 of the February 3, 1995 USTA as place filling, titled "SUMMARY OF EXPLANATIONS OF LISC DATA ADJUSTMENTS." Please identify the individual(s) at each of the LISCs cited therean who fundated the described "data adjustments" and provide all correspondence between and among USTA, Dr. Christmenn (including members of his staff) and the individual LIPCs pertaining to each and all of the "data adjustments" that are emmerated on the referenced pages.

RESPONSE III:

Pacific does not know the identity of the individuals at each of the LBCs who facultated the data adjustments, nor does it have any consequendance related to the data adjustments. Funific Bell has been advised that my information or consequendance within the stope of this request that is in the presention of either Dr. Christenson fincluding members of his staff) or USTA is subject to non-disclosure requirements and, therefore, cannot be provided. We are continuing to investigate who provided the single connection of Pacific's data and if we identify such individual we will immediately notify you. However, as you can determine from the or parts correction, our data change was minor and would have minimal impact.

TOO TTE OTEM CE:IT CR:CO:RO

CCLTC FIRST SET OF INFORMATION REQUESTS IN PHASE I OF L95-05-047

REQUEST IV:

Were any "data adjustments" proposed by LECs not included in the "1993 update" that was provided to the PCC on Jamusry 20, 1995? If so, what adjusts were used in selecting items for includion or exclusion? Who made the selection? Provide documentation relative to all items not included in the "update."

RESPONSE IV:

No.

Sep. 5. 1995 4:57PM PACBELL LEGAL DEPT.

CCLTC FIRST SET OF REPORMATION REQUESTS IN PEASE I OF L93-06-047

REQUEST V:

Please identify which of the items on pp. 2-3 of the Polentry 3, 1995 as purp filling were of the nature of "corrections" to provious successed which were of the nature of "new information" that was not available at the time the original USTA TFP study was filed. For inems identified as "errors," indicate how the "usur" was discovered, who discovered it, when it was discovered, who corrected it, and when the correction was provided to USTA and/or to Dr. Christenson.

REPORTE V.

GTE Telephone Plant ladenes ("TPI's") were not evailable for the original study and would be classified as "new influencies". All other items on pp. 2-3 of the Privacy 3, at parts filing would be classified as "consections". Dr. Claistenana does not know how the excess were discovered, who discovered them, when they were discovered, or who consected them. Corrected data were provided to Dr. Christmann in the Nevember-December 1994 time frame.

Parties Ball has been advised by USTA that to the extent that USTA has such information, USTA is not extinuised to colours it.

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Sep. 5, 1995 4:58PM PACEELL LEGAL DEPT. CCLTC FIRST SET OF INFORMATION REQUESTS IN FRASE 1 OF L95-05-047

RECUEST VI: (Part A)

Reference to pp. 4-9 of the Pohruny 3, 1995 USTA expents filling," 1984 CAPITAL STOCK."

Provide a nametive explanation for each of the changes shown themen, indicating how the
"exer" was discovered, who discovered 2, when it was discovered or who corrected it, and when
the correction was provided to USTA and/or to Dr. Christenson.

RESPONSE VI:(Part A)

Dr. Christenson does not know how the course were discovered, who discovered them, when they were discovered, or who consected them. Consected data were provided to Dr. Christenson in the November-December 1994 time finance.

Pacific Bell has been advised by USTA that to the extent that USTA has such information, USTA is not authorized to salesse it.

RECUEST VI: (Part B)

Provide work papers supporting each and all of the adjustments/corrections.

RESPONSE VI:(Part B)

Dr. Christenson does not have my wedgepess supporting the adjustmental corrections.

Pacific Bell has been advised by USTA that to the extent that USTA has such wedgepers, USTA is not sufficient to missee them.

O TO THE CTR.

CCLTC FIRST SET OF INFORMATION REQUESTS IN PELASE I OF L95-46-447

REQUEST VIL: (Part A)

Reference to pp. 10-16 of the February 3, 1995 USTA an agent filing, showing the booked capital accounts for 1984-92. Provide a named we explanation for each of the changes shown thereon, indicating how the "error" was discovered, who discovered it, when it was discovered, who corrected it, and when the correction was provided to USTA and/or to Dr. Christenson.

RESPONSE VII. (Part A)

Dr. Christenson does not know how the excess were discovered, who discovered them, when they were discovered, or who consected them. Converted data were provided to Dr. Christenson in the November-December time 1994 frame.

Pacific Bell has been advised by USTA that to the extent that USTA has such information, USTA is not sutherized to missee it.

RECUEST VII: (Part B)

Provide week papers supporting each and all of the adjustment/corrections.

RESPONSE VII: (Part II)

Dr. Christenson does not have any workpapers supporting the adjustmentalogmentions.

Pacific Bell has been advised by USTA that to the extent that USTA has such workpapers, USTA is not sufficient to release them.

No. 5510 P. 16/18

CCLTC FIRST SET OF INFORMATION REQUESTS IN PHASE 1 OF L95-45-447

RECLEST VIII:

Reference to pp.- 17-19 of the Pehrenty 3, 1995 USTA at state filing showing "Conected TP's" for the LEC Composite. Bell Atlantic, and Southwestern Bell. Provide individual TP's for all other LECs included in the "Composite" in the same format as used for Bell Atlantic and Southwestern Bell.

RESPONSE VIII:

Instruction company Telephone Plant Industry are not contained in the database for Dr. Christenson's study. The database contains only aggregate LEC data. Pacific Bell's TPI is provided in response to Request I. Pacific Bell has been advised that any information that is within the scope of the request that is in the possession of either Dr. Christenson or USTA is subject to acceliusionuse requipments and, therefore, cannot be provided.

CCLTC PERST SET OF INFORMATION REQUESTS IN PHASE I OF L95-45-047

RECUEST IX:

Reference to pp. 17-19 of the Pointsety 3, 1995 USTA as pasts filling, showing "Corrected TPI's" for the LEC Composite, Bell Atlantic, and Southwestern Bell. Provide an explanation of the fact that, as contexted, Bell Atlantic's Control Office Registernt (COE) TPI - representing the prices it paid for COE - immend by 49% from the 1984 have your to 1992, while the COE TPI for Southwestern Bell and for LEC Composite demand by 9.3% and 7.3%, respectively, over that some pariod. If the apparent Bell Atlantic meaning council be explained, plants recompute the LEC Composite COE TPI to exclude Bell Affectic and correct the "1993 update" TPP accordingly.

REPONSE IX:

Buil Adiantic was salest shout the velue of their COE TPI's and they varified the values of their COE TPI's as being an element substates of prices the company yaid for centuri office equipment. Purchamers, so noted above in the requests to Quantien VIII, individual company Telephone Plant Induses use not contained in the data base for Dr. Christenson's USTA TFP study. The data base centules only approprie LBC data and, therefore, it is not possible to conclude the TFIs of one company from the analysis. Even if individual company data were contained in the data base for Dr. Christenson's USTA TFP study, Dr. Christenson is required by USTA to treat stack data as confidential and proprietary and not to disclose it. Given these cincenstances, recompendates, if deemed accountry, could be approximated by backing Buil Adamic's TFIs out of the companie. This would be accomplished by subtracting from the composite COE TFI, Buil Adamic's TFI these the weight of Buil Adamic's TFI in the composite COE TFI to approximate the composite COE TFI without Buil Adamic. If the Buil Adamic COE TFI was the positional approximate the constants of the USTA TFP study would, in all likelihood, only change by a minimal appoint.

CCLTC FIRST SET OF INFORMATION REQUESTS IN PHASE I OF L95-05-047

RECUEST X:

Reference to pp. 17-19 of the Polestry 3, 1995 USTA or pasts filling, showing "Corrected TPIs" for the USC Compasite, Bell Atlantic, and Southwestern Bell. Although not as entenne as in the case of COE, most of Bell Atlantic's other TPIs appear to be increasing at a significantly flatter rate than for the LBC Compasite or for SWB. Provide an explanation of the fact that, as converted, Bell Atlantic's capital input prices are rising so much finite than those of other LECs. If the apparent Bell Atlantic assumity counts be explained for one or more of the other TPIs, please recompast the LBC Compasite TPIs to estable Bell Atlantic and ourset the "1993 update" TFP secondingly.

REPONERY

Bell Attentic was usined about the volum of their other TFT's and they verified the volums of their other TFT's as being an assemble suffection of the prices poid by the company the the acquisition of equipment in the various court entegrates. Purchaments, as noted above in the sequence to Question VIII, individual company Tubylenes Plant Indicate are not contained in the date base for Dr. Christmann's USTA TFP study. The date base contains only aggregate LEC date and, therefore, it is not possible to ented the TFIs of our company from the analysis. Even if individual company date were contained in the date base for Dr. Christmann's USTA TFP study, Dr. Christmann is supplied by USTA to treat such date are confidential and proprietty and not to disclose it. Given these elementaries, recomputation, if deemed necessary, could be approximated by backing Bell Atlantic's TFE out of the analysis. For each of the other successful than be divided by the weight of the recompilitated by subtaneling from the companies TFI, Bell Atlantic's TFI them the weight of the summining LECs in the companies TFI to approximate the composite TFI without Bell Atlantic. If the Bell Atlantic TFIs were to be artered, the overall results of the USTA TFF study would, in all Hallinged, only change by a minimal amount.

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Ī	SAIN FRANCISCO, CALIFORNIA, SEPTEMBER 27, 1995-9:05 A.M.
2	* * * *
3	ADMINISTRATIVE LAW JUDGE REED: On the record.
4	Mr. Sasser.
5	MR. SASSER: Thank you, your Honor.
6	Yesterday, there were a couple of transcript
7	requests made, and we have responses available today.
8	The first one was a transcript request from Mr. Stover
9	for a Wall Street Journal article that had been
10	referenced by Mr. Schmalensee.
11	I had provided that to counsel, and I have
12	copies available for the other parties, and I will
13	provide you with a copy as well.
14	ALJ REED: Thank you.
15	In addition, there was a transcript request
16	made for some tables that Dr. Schmalensee had referred
17	to, and I have a copy of those tables as well from the
18	transcript request that was made.
19	ALJ REED: Thank you.
20	MR. SASSER: In addition, yesterday Dr. Christensen
21	was asked to accept a number of figures subject to
22	check. And, if he could, he'd just like to briefly
23	speak to that.
24	MR. GOLABEK: I was just asking, those were
25	Exhibits 3 and 4 respectively?
26	MR. SASSER: Counsel reserved for AT&T reserved
27	the exhibit numbers. I'm not certain of the exhibit
28	numbers.

1	ALJ REED: Yes. Those were 3 and 4. Thank you.
2	MR. PHILLIP: Three being the article from the
3	Wall Street Journal?
4	ALJ REED: Excuse me?
5	MR. PHILLIP: Three being the article from the Wall
6	Street Journal?
7	ALJ REED: Yes, yes.
8	LAURITS R. CHRISTENSEN
9	resumed the stand and testified further as follows:
10	ALJ REED: Okay. Dr. Christensen has some
11	corrections to make.
12	THE WITNESS: I was asked yesterday to accept
13	subject to check that for the output growth figures in
14	my Table 1 on page 10 of my report, which has been
15	labeled Exhibit 6, I was asked to accept subject to
16	check that the average rate of growth of output for 1985
17	to 1988 was 3.4 percent per year. And when I checked
18	that and did the computation myself, I came up with a
19	different figure. I came up with 3.6 percent.
20	ALJ REED: Okay. Thank you.
21	MS. BURDICK: Because that was in response to my
22	question, your Honor, I want to confirm after
23	recalculating the numbers I used that Dr. Christensen
24	was correct. And I appreciate the clarification on the
25	record.
26	ALJ REED: Thank you, Ms. Burdick. You had
27	finished with your questioning yesterday?
28	MS. BURDICK: Fortunately for everyone, yes.

l	ALJ REED: Mr. Faber.
2	MR. FABER: Thank you, your Honor.
3	CROSS-EXAMINATION
4	BY MR. FABER:
5	Q Good morning Dr. Christensen?
6	A Good morning.
7	Q My name is Joe Faber, and I represent the
8	California Committee for Large Telecommunications
9	Consumers, and I have a few questions for you this
10	morning.
11	Am I correct that you presented information to
12	the FCC in Docket 94-1 regarding LEC telefactor
13	productivity?
14	A Yes.
15	Q And on page 7 of your Exhibit No. 3 I'm
16	sorry Exhibit No. 6, Attachment 1, you say that you
17	recently performed a TFP study of the LEC industry for
18	USTA; do you see that?
19	A Yes, I do.
20	Q Was that the study that you presented to the
21	FCC?
22	A Yes.
23	Q And is the study that you referred to on
24	page 7 the one that is attached as Appendix 1 to your
25	testimony?
26	A There were two different studies that I
27	submitted. The first was submitted in May of 1994,
28	which is not what is shown here as Appendix 1.

1	There were subsequent updates and revisions to
2	the original study, and that revised study was submitted
3	early in 1995 to the FCC. And that's what appears as
4	Appendix 1 to my report.
5	Q That is the document that's that we'll call
6	the 1993 update?
7	A Yes.
8	Q And I actually have in front of me a copy of a
9	transmittal to the FCC dated January the 20th from USTA
10	stating, "Attached is a copy of this 1993 update."
11	Was that the transmittal that you referred to
12	earlier in 1995?
13	A It is.
14	Q Now, the study bears your name and that of two
15	others, Phillip Schoech?
16	A Schoech.
17	Q And Mark Meitzen. They are colleagues of
18	yours at your firm?
19	A Yes, they are.
20	Q Did they work with you in preparing this
21	study?
22	A Yes.
23	Q Are either of them in the room today?
24	A Yes.
25	Q Which of them are here?
26	A Dr. Meitzen.
27	Q What is Dr. Schoech's background, if you could
28	tell us briefly?

ı	A Suite. Di. Schoech is a Ph.D. economist. He
2	was my graduate student. He came to the University of
3	Wisconsin in, I believe it was, 1973 when I was a
4	professor of economics there.
5	He studied and did his doctoral dissertation
6	under my supervision in the area of productivity
7	measurement, and he worked for me at that time as well
8	as a research assistant, and, subsequently, as an
9	associate at my firm, Christensen Associates.
10	Q And for Dr. Meitzen, can you briefly describe
11	his background for us?
12	A Yes. Dr. Meitzen is also a Ph.D. from the
13	University of Wisconsin. He was not, however, my Ph.D.
14	student.
15	Dr. Meitzen, after getting his Ph.D., served
16	for some years as a professor of economics in I believe
17	it was Eastern Michigan University. Subsequent to that,
18	he spent some years at Southwestern Bell Telephone
19	Company. And for the last five years he's been an
20	associate of mine at Christensen Associates.
21	Q Now, specifically referring to this 1993
22	update, can you tell us whether you were directly
23	involved in drafting it, or did one of your two
24	associates draft it for you?
25	A I was directly involved in drafting it.
26	Q Now, that study, the 1993 update, is the basis
27	of your recommendation today that the Commission
28	conclude that there's a TFP differential of 2 percent;

1 is that right? 2 Well, as I said yesterday, that's a major part 3 of my basis, yes, but not the sole basis. 4 Q The -- let me back up for a second. 5 Have you had an opportunity to read all of the 6 testimony that's been submitted in this case before the 7 Public Utilities Commission? 8 A No. 9 Q Have you read all of Dr. Selwyn's testimony? A I believe so. I've read his initial testimony 10 11 and his reply testimony. 12 All right. And Dr. Schmalensee's, did you 13 read his original and his reply testimony as well? 14 Α No. 15 How about Dr. Duncan, did you read his Q 16 testimony? Yes, I did. 17 Α Both the original and the reply? 18 Α 19 Yes. 20 Now, this 1993 update that we're talking 21 about, I'm going to ask you a number of questions about 22 it. 23 First off, though, can you explain how it was 24 that the 1993 -- I'm sorry -- that the January 20th, 25 1995 submission changed what had been submitted in 26 May 1994? 27 Yes, there were changes of two natures. And I

might just say the end result, before I go into the

28

i	details, in the original IFP study, my finding was that
2	for the differential between LEC total factor
3	productivity and U.S. economy total factor productivity
4	over the 1984 to 1992 period which is usually
5	referred to as the post-divestiture period I found a
6	TFP differential of 1.7 percent.
7	And in the update, that number was revised
8	upward for 2.1 percent per year.
9	And the revision took reflected two
10	things. Primarily, the first was that subsequent to my
11	filing the study with the FCC in May of 1994, the U.S.
12	Bureau of Labor Statistics revised their TFP growth
13	figure for the U.S. economy. So when we then looked at
14	the period, post-divestiture period, rather than
15	being .9 percent per year, that figure became .3 percent
16	per year a very substantial revision.
17	There was also a revision update in the
18	figures for the LEC industry. In the study that I filed
19	in May of 1994, the figure for LEC total factor
20	productivity growth over 1984 to 1992 was 2.6 percent
21	per year. With the revisions and the update through
22	1993, that figure was revised downward slightly from 2.6
23	percent per year to 2.4 percent per year.
24	In the original study, the differential was
25	2.6 percent for the LECs minus .9 percent for the U.S.
26	economy, 2.6 minus .9 is 1.7 percent per year. Each of
27	those components was revised. The LEC number was
28	revised downward by 2/10ths. For the U.S. economy, the

I	number was revised downward by 6/10ths of a percent and
2	the overall result was the estimated TFP differential
3	went up from 1.7 percent to 2.1 percent per year.
4	And that was the basis of my filing to the FCC
5	in January of 1995, and that updated study is the basis
6	for one of bases for my testimony here.
7	Q Okay. The modification of the U.S. economy
8	number from .9 to .3, that was done by BLS; right?
9	A That's correct.
0	Q You weren't involved in the calculation of
1	that number?
2	A I was not.
13	Q Would the number of .3 provided by the BLS
14	have applied to your original study even if you had not
15	done an update on the LEC numbers?
16	A I don't remember whether it would be
17	exactly .3, but it would be approximately by .3.
18	Q Would you when you provided the 1993 update
19	to the FCC in January of this year, there were results
20	in that revised document that were based on a number of
21	data changes concerning each or some of the individual
22	LECs that had been studied; is that right?
23	A That's correct.
24	MR. FABER: I want to provide you with two
25	documents because they are going to require that I ask
26	you some questions out of both.
27	First is a set of data requests and responses

that we -- well, the request we submitted to Pacific

28

1	Bell and the responses came from Pacific Bell. And
2	second is a document dated February 3rd, 1995
3	transmitting certain information to the FCC.
4	Can we go off the record for a moment, your
5	Honor?
6	ALJ REED: Off the record.
7	(Off the record)
8	ALJ REED: On the record.
9	MR. FABER: Your Honor, I have distributed copies
10	of two documents. I'd like to have the first marked
11	CCLT First Set of Information Requests marked as the
12	next exhibit in order.
13	ALJ REED: It will be marked for identification as
14	Exhibit No. 8.
15	(Exhibit No. 8 was marked for
16	identification.)
17	MR. FABER: I'd like to have the document which
18	comprises a letter to the FCC from the USTA dated
19	February 3rd, 1995 with attachments marked as the next
20	exhibit please.
21	ALJ REED: It will be marked for identification as
22	Exhibit No. 9.
23	(Ewhibit No. 0 was marked for
24	(Exhibit No. 9 was marked for identification.)
25	MR. FABER: Can we go off the record one more
26	time?
27	ALJ REED: Off the record.
28	(Off the record)